

FIG. 465 A. SMITH'S FRICTION DRILL STOCK WITH ROUND TAPER HOLE.

TOOLS.

SMITH'S FRICTION DRILL STOCK WITH ROUND TAPER HOLE.

This stock has a round taper hole in the body and is provided with extra collets which permit of the use of either round taper shank or square taper shank standard twist drills or square taper flat drills.

PRICE LIST.

No. 12.	12 in. Handle, with 2 collets for both Nos. 1 and 2 Round Taper Shank Twist Drills and $\frac{3}{8}$ in. Square Taper Shank Twist or Flat Drills, including Wrench	\$18.00
No. 13.	15 in. Handle, with 3 collets for Nos. 1, 2, and 3 Round Taper Shank Twist Drills and $\frac{3}{8}$ in. Square Taper Shank Twist or Flat Drills, including Wrench	25.00

SMITH'S PATENT REVERSIBLE FRICTION COMBINATION DRILL STOCKS.—FIG. 465 B.

FOR USE AS A DRILL, SOCKET WRENCH, AUGER BIT-BRACE, OR SCREW-DRIVER STOCK.

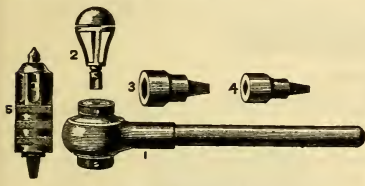


FIG. 465 B. SMITH'S REVERSIBLE FRICTION DRILL STOCKS.

No. A.	6 in. Handle, with Hand-Rest only (no Sleeve Feed), with $\frac{3}{8}$ in., $\frac{1}{2}$ in., and $\frac{5}{8}$ in. Square Sockets	\$5.00
No. B.	8 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	10.00
No. C.	10 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	12.00
No. D.	12 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	15.00

SMITH'S NEW REVERSIBLE FRICTION COMBINATION DRILL STOCKS.—FIG. 465 C.

FOR USE AS A DRILL, SOCKET WRENCH, AUGER BIT-BRACE, OR SCREW-DRIVER STOCK.

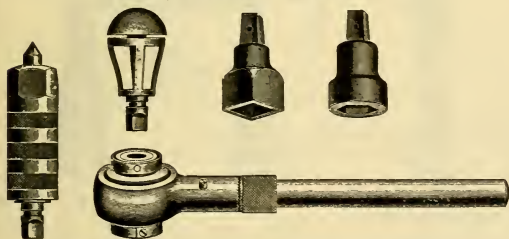


FIG. 465 C. SMITH'S NEW REVERSIBLE FRICTION DRILL STOCKS.

No. AA.	6 in. Handle, with Hand-Rest only (no Sleeve Feed), with $\frac{3}{8}$ in., $\frac{1}{2}$ in., and $\frac{5}{8}$ in. Sq. Sockets	\$6.50
No. BB.	8 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	11.50
No. CC.	10 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	13.50
No. DD.	12 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	16.50
No. EE.	15 in. Handle, with Hand-Rest and Sleeve Feed, without Sockets	19.50

EXTRA MALLEABLE IRON SOCKETS FOR SMITH'S PATENT REVERSIBLE FRICTION COMBINATION DRILL STOCKS.

PRICE LIST.

For No. A Stock, $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in. Square Sockets	Each, \$	.10
For No. B Stock, $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in., $\frac{3}{4}$ in., $\frac{1}{2}$ in. Square or Hexagonal	Each, .	.25
For No. C Stock, $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in., $\frac{3}{4}$ in., $\frac{1}{2}$ in., $1\frac{1}{8}$ in., $1\frac{1}{4}$ in. Square or Hexagonal	Each, .	.25

STEEL SOCKETS.

For No. D Stock, $\frac{3}{8}$ in., $\frac{1}{2}$ in., $1\frac{1}{8}$ in., $1\frac{1}{4}$ in., $1\frac{3}{8}$ in., $1\frac{1}{2}$ in. Square or Hexagonal	Each, \$	.40
For No. E Stock, $1\frac{1}{8}$ in., $1\frac{1}{4}$ in., $1\frac{3}{8}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., 2 in. Square or Hexagonal	Each, .	.40

TOOLS.

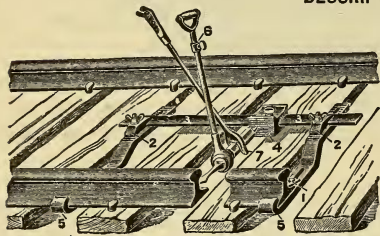
SMITH'S PERFECTED FRICTION TRACK DRILL.—FIG. 465D.
DESCRIPTION OF TRACK DRILL.

FIG. 465D. SMITH'S PERFECTED FRICTION TRACK DRILL.

A rail can be drilled with equal facility either fastened to the ties or detached, as the bars (No. 5) hook on one side of the base of the rail in connection with an adjustable clamp (No. 1) on the other side, thus holding the frame firmly, and both bars and frame can be adjusted to any size of rail. The side bars (No. 5) are made with corrugations that intermesh with corresponding grooves on the under side of the back bar (No. 3), which is held firmly by an adjustable clamp (No. 2) corrugated on its under side, thus enabling the operator to move the bars (No. 5) very quickly near together or far apart without interfering with the railroad ties.

The drill-stock has an adjustable extension handle (No. 6), giving a leverage to suit the operator. The hand-piece, working on a spindle, imparts an easy, natural motion to the whole body.

As the rails to be drilled vary in height, a number of parallel grooves are made on both sides of the rack-rest (No. 4), which slides both ways on the rear bar of frame, so that either side can be used.

The conical end of feed-screw fits into the groove corresponding to center the drill.

This device can be used at a frog, switch, or anywhere that two or more rails come close together, as the bars can be caught on either rail, and the back bar can be adjusted to any direction, using a long or short drill as most convenient.

PRICE, including Two Drill Points.....30.00 | Extra Drill Points.... .40